

CLAIMS

I claim:

1. A wake control mechanism for watercraft wherein the one or more wake control plates:
 - are attached to the stern of the watercraft by one or more length adjustable rods, such that the plate's front edge can be positioned below the transom;
 - are inclined to a set or controllable angle so as to scoop water upward, or are alternately set in the traditional trim tab position;
 - are of any size; and
 - are either flat or curved upward.
2. The wake control mechanism for watercraft as described in claim 1 wherein the said one or more length adjustable rods connect to any location on or near the stern of the watercraft and any location on the said one or more wake control plates except in a straight line, so as to hold the said one or more wake control plates in the desired position
3. The wake control mechanism for watercraft as described in claim 1 wherein the said one or more length adjustable rods are adjusted hydraulically or through another power assistance.
4. The wake control mechanism for watercraft as described in claim 1 wherein the said one or more length adjustable rods are adjusted manually.
5. The wake control mechanism for watercraft as described in claim 1 wherein the said one or more wake control plates are curved to conform to the bottom of the said watercraft.
6. The wake control mechanism for watercraft as described in claim 1 wherein the said one or more wake control plates are equipped with sides, or sides and a back side, enabling it to hold scooped up water.

7. The wake control mechanism for watercraft as described in claim 1 wherein the said one or more wake control plates is incorporated with a bait tank, swim platform, ladder, motor mount or other function.

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8. A wake control mechanism for watercraft wherein the one or more wake control plates: are attached to the stern of the watercraft through one or more length adjustable rods and one or more connections with fixed lengths; are of any shape and size; can be positioned in the water by the said one or more length adjustable rods; can be submersed under the stern of the watercraft; and can be controlled independently or dependently from the other one or more wake control plates.

9. The wake control mechanism for watercraft as described in claim 8 wherein the said one or more length adjustable rods connect to non-rigid joints on both the wake control plate and the stern of the watercraft, where a said non-rigid joint is a connection that allows the said length adjustable rods approximately 180 degrees of angular displacement in one plane and approximately 30 degrees of angular displacement in the direction perpendicular to that plane.

10. The wake control mechanism for watercraft as described in claim 8 wherein the said one or more connections with fixed lengths attach to non-rigid joints on the wake control plate and rotating joints on the stern of the watercraft, where a said non-rigid joint is a connection that allows the said rods with fixed lengths approximately 180 degrees of angular displacement in one plane and approximately 30 degrees of angular displacement in the direction perpendicular to that plane and a said rotating joint is a connection which lets the said rods with fixed lengths rotate approximately 180 degrees about the connection.

11. The wake control mechanism for watercraft as described in claim 8 wherein the said one or more length adjustable rods and the said rods with fixed lengths connect to any

location on the stern of the watercraft and said one or more wake control plates, such that the said one or more wake control plates are held in the desired position.

12. The wake control mechanism for watercraft as described in claim 8 wherein the said one or more length adjustable rods are adjusted hydraulically or through another power assistance.
13. The wake control mechanism for watercraft as described in claim 8 wherein the said one or more length adjustable rods are adjusted manually.
14. The wake control mechanism for watercraft as described in claim 8 wherein the said one or more wake control plates are curved to conform to the bottom of the said watercraft.
15. The wake control mechanism for watercraft as described in claim 8 wherein the said one or more wake control plates are equipped with side wells, or side and back walls enabling it to hold water.
16. The wake control mechanism for watercraft as described in claim 8 wherein the said one or more wake control plates is incorporated with a bait tank, swim platform, ladder, motor mount or other function.